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Office Memorandum UNITED STATES GOVERNMENT

TO : The Files

16 May 1956

FROM :

SUBJECT: Trip and Progress Report, Contract RD-71, RR-11AA/BB
Transistorized Receiver

1. On May the writer visited the [] in Philadelphia to determine the status of the transistor-receiver. Those contacted with [] were:

2. The engineering model of the transistor-receiver, which had been delivered to this Agency in early April, was returned to [] with certain suggestions. These concern the inability to rapidly tune the receiver because of the mechanical deficiencies of the crank and also the inability to properly see the vernier dial. These, however, were points which were known to [] prior to delivery of this unit to us.

3. The writer was shown a redesigned unit, in which the entire crank mechanism had been redesigned. Also the window over the vernier dial had been enlarged and the tuner mechanism had been realigned. In these respects, the operation of the unit appeared to be quite satisfactory.

4. A carrying case for this item was discussed. This unit will be of a lightweight plastic, will be sufficiently large to contain a complete receiver with the following additional items:

- 1 tuner
- 1 Hank of Antenna Wire
- 1 Hank of Ground Wire
- 2 Battery Packs
- 1 Screwdriver
- 1 Set of External Connector Cables

This carrying case will be designed so that the receiver may be operated without removing it from the case and also its design will be such that a single divider section may be broken out for insertion of the complete repackaged receiver, which combines both tuners in one unit.

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5. Spare parts for these units were discussed. [] will prepare a list which they believe is suitable and will submit this to us, with prices, for our approval. Subsequent to this, we may elect to modify the contract in FY 1957 for the purchase of spare parts.

6. The development and progress of the 12-30 megacycle tuner was discussed. At present, it appears that the progress is satisfactory. [] suggested that the antenna input impedance be reduced from 300 ohms to 150 ohms, which would provide a better impedance match over this frequency range. The writer saw no objection to this, although it was stated that [] would be contacted in the near future regarding this matter.



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